--Create catalog

CREATE TABLE [Catalog] (

CatalogId CHAR(5) PRIMARY KEY,

CatalogName NVARCHAR(20) NOT NULL,

Description NTEXT,

[View] BIGINT,

Priority INT,

Status BIT,

ParentId CHAR(5)

)

GO

--Product

--//Product

CREATE TABLE Product (

ProductId CHAR(7) PRIMARY KEY,

ProductName NVARCHAR(100) NOT NULL,

PriceInput FLOAT,

PriceOutput FLOAT NOT NULL,

Discount INT CHECK(Discount BETWEEN 0 AND 100) DEFAULT(0),

Quantity INT,

Quality INT CHECK(Quantity BETWEEN 0 AND 100) DEFAULT(100),

Title NVARCHAR(200),

Guarantee INT DEFAULT(0),

OneSwitchOne INT DEFAULT(15),

Description NTEXT,

[View] BIGINT DEFAULT(0),

Sold INT DEFAULT(0),

Created DATETIME DEFAULT(GETDATE()),

Status BIT,

CatalogId CHAR(5) FOREIGN KEY REFERENCES [Catalog](CatalogId)

)

GO

--//Image

CREATE TABLE Image(

ImageId INT PRIMARY KEY IDENTITY(1,1),

Url NTEXT NOT NULL,

Status BIT,

ProductId CHAR(7) FOREIGN KEY REFERENCES Product(ProductId)

)

GO

--//News

CREATE TABLE News(

NewsId CHAR(7) PRIMARY KEY,

MainPicture NTEXT NOT NULL,

Title NVARCHAR(200) NOT NULL,

Description NTEXT NOT NULL,

Priority INT,

Created DATETIME DEFAULT(GETDATE()),

Status BIT,

ProductId CHAR(7) FOREIGN KEY REFERENCES Product(ProductId)

)

GO

--//Specification

CREATE TABLE Specification(

SpecificationId CHAR(10) PRIMARY KEY,

SpecificationKey NVARCHAR(20) NOT NULL,

Specification NVARCHAR(20) NOT NULL,

Status BIT,

ProductId CHAR(7) FOREIGN KEY REFERENCES Product(ProductId)

)

GO

--Event

--//Event

CREATE TABLE Event(

EventId CHAR(6) PRIMARY KEY,

EventName NVARCHAR(50) NOT NULL,

Description NTEXT,

FromDate DATETIME NOT NULL,

ToDate DATETIME NOT NULL,

Created DATETIME DEFAULT(GETDATE()),

Status BIT,

)

GO

--//Event Detail

CREATE TABLE EventDetail(

EventId CHAR(6) FOREIGN KEY REFERENCES Event(EventId),

ProductId CHAR(7) FOREIGN KEY REFERENCES Product(ProductId),

Discount INT NOT NULL CHECK(Discount BETWEEN 0 AND 100),

Status BIT,

PRIMARY KEY (EventId,ProductId)

)

GO

--Account

--//Account

-- 1-Admin 2-Editor 3-Moderator 4-User 5-VipUser

CREATE TABLE Account(

AccountId CHAR(7) PRIMARY KEY,

UserName VARCHAR(20) NOT NULL,

PassWord VARCHAR(20) NOT NULL,

Type INT NOT NULL CHECK(Type BETWEEN 1 AND 5) DEFAULT(5),

FullName NVARCHAR(50),

BirthDay DATETIME,

Mail VARCHAR(50),

Phone VARCHAR(20),

Adress VARCHAR(100),

Created DATETIME DEFAULT(GETDATE()),

Point INT,

Status BIT,

)

GO

--//Comment

CREATE TABLE Comment(

ProductId CHAR(7) FOREIGN KEY REFERENCES Product(ProductId),

AccountId CHAR(7) FOREIGN KEY REFERENCES Account(AccountId),

Content NTEXT NOT NULL,

Created DATETIME DEFAULT(GETDATE()),

Status BIT,

PRIMARY KEY (ProductId,AccountId)

)

GO

--//Rate

CREATE TABLE Rate(

ProductId CHAR(7) FOREIGN KEY REFERENCES Product(ProductId),

AccountId CHAR(7) FOREIGN KEY REFERENCES Account(AccountId),

Mark INT NOT NULL,

Created DATETIME DEFAULT(GETDATE()),

Status BIT,

PRIMARY KEY (ProductId,AccountId)

)

GO

--//Favorite

CREATE TABLE Favorite(

ProductId CHAR(7) FOREIGN KEY REFERENCES Product(ProductId),

AccountId CHAR(7) FOREIGN KEY REFERENCES Account(AccountId),

Created DATETIME DEFAULT(GETDATE()),

Status BIT,

PRIMARY KEY (ProductId,AccountId)

)

GO

--Order

--//Order

CREATE TABLE [Order](

OrderId CHAR(9) PRIMARY KEY,

Created DATETIME DEFAULT(GETDATE()),

TotalAmount FLOAT,

Status BIT,

AccountId CHAR(7) FOREIGN KEY REFERENCES Account(AccountId),

)

GO

--//Order detail

CREATE TABLE OrderDetail(

OrderId CHAR(9) FOREIGN KEY REFERENCES [Order](OrderId),

ProductId CHAR(7) FOREIGN KEY REFERENCES Product(ProductId),

Quantity INT NOT NULL,

Amount FLOAT NOT NULL,

PRIMARY KEY (OrderId,ProductId),

)

GO